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US Dept. of Commerce Pat. &amp; Trademark Office

Attorney's Docket No.

23062

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 USC 371**

US. Application No. (if known)

**10/508 928**

INTERNATIONAL APP. NO.  
**PCT/EP03/02773**

INTERNATIONAL FILING DATE  
**17 March 2003**

PRIORITY DATE CLAIMED  
**21 March 2002**

TITLE OF INVENTION

**INTERPOLATION FOR USE IN CHANNEL ESTIMATION**

APPLICANT(S) FOR DO/EO/US

**Donato ETTORE et al**

Applicant herewith submits to the United States Designated/Elected Office (DO/EU/US) the following .

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 USC 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 USC 371.
3. ☐ This is an express request to begin national examination procedures (35 USC 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 USC 317(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 USC 371(c)(2)).
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau.
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Patent Office.
6. ☐ A translation of the International application into English.
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3)).
  - a. ☒ are transmitted herewith (required only if not transmitted by the International Bureau.
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 USC 371(c)(3).
9. ☐ An oath or declaration of the inventor(s) (35 USC 371(c)(4).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 USC 371(c)(5)).

**Items 11. to 16. below concern documents or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An Assignment for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items of information.  
Drawing (6 sheets)  
References  
PTO-1449



23062

CERTIFICATE OF EXPRESS OR  
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10/308928

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The Firm of Karl F. Ross, P.C.

IN THE U.S. PATENT AND TRADEMARK OFFICE

Inventor Donato ETTORE et al

Patent App. Not known (US Nat'l phase of PCT/EP03/02773)

Filed Concurrently herewith

For INTERPOLATION FOR USE IN CHANNEL ESTIMATION

Hon. Commissioner of Patents  
Box 1450 Alexandria, VA 22313-1450

### RECORD OF TRANSMITTAL--PCT APPLICATION

<input checked="" type="checkbox"/>	PCT Transmittal	
<input checked="" type="checkbox"/>	PCT Application	
<input type="checkbox"/>	Translation	
<input checked="" type="checkbox"/>	Sheets of Drawing (6)	
<input type="checkbox"/>	PCT Declaration	
<input type="checkbox"/>	PCT Documents	
<input checked="" type="checkbox"/>	International Search Report	
<input checked="" type="checkbox"/>	Preliminary Amendment	
<input type="checkbox"/>	Assignment	
<input checked="" type="checkbox"/>	Reference(s) with PTO-1449	
<input checked="" type="checkbox"/>	PTO-2038 for Official Fees	
<input checked="" type="checkbox"/>	1 PTO Data Entry Form	
<input checked="" type="checkbox"/>	Basic Fee (Large Entity)	\$1080.00
<input type="checkbox"/>	Ind. claims in excess of 3	\$00.00
<input type="checkbox"/>	Claim in excess of 20	\$00.00
	Total	\$1080.00

Please charge any fees not covered by an enclosed PTO-2038 to  
account 18-2025 of the undersigned.

20 September 2004

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Respectfully submitted,  
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